CLAIMS

What is claimed is:

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	1	SUB 7 1.	A method comprising:
	2		capturing an intensity at a location on a surface in a single pixel of an
	3	image sensir	ng array (ISA); and
	4		converting the intensity into a measurement of distance to the location
	5	relative to a	reference point independently of data from other pixels of the ISA.
and any of the first han the first has been	1	2.	The method of claim 1 wherein the ISA is a linear image sensor.
	1	3.	The method of claim 2 wherein the linear image sensor is one of a
	2	linear charge	e coupled device (CCD) and a photo diode array.
Hon Bay	1	4.	The method of claim 1 further comprising:
	2		comparing a plurality of captures of the intensity at the location under
	3	different cor	nditions to compensate for non-homogenous environments or surface.
	1	5.	The method of claim 1 further comprising:
	2		comparing a plurality of captures of the intensity at the location at
	3	different poi	ints in time to compensate for non-homogeneous environments or
	4	surfaces	

- A method comprising:
- 2 capturing an intensity at a location on a surface in an elementary group
- 3 of pixels on an image sensing array (ISA) without regard to intensity distribution
- within the group; and 4

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	5	SUB AZ CONTO.	converting the intensity into a measurement of distance to the location
	6		tly of data from other pixels on the ISA.
	1	7.	The method of claim 6 wherein the ISA is a linear image sensor.
	1	8.	The method of claim 7 wherein the linear image sensor is one of a
	2	linear chargo	e coupled device (CCD) and a photo diode array.
	1	9.	The method of claim 6 further comprising:
	2		comparing a plurality of captures of the intensity at the location under
	3123	different co	nditions to compensate for non-homogenous environments or surfaces.
¥	1	10.	The method of claim 6 further comprising:
	2		comparing a plurality of captures of the intensity at the location at
	_	different po	ints in time to compensate for non-homogeneous environments or
	1	surfaces.	
	1	SUB 17	A method comprising:
2	2		capturing a spectral energy distribution returned from a location on a
	3	surface in a	single pixel of an ISA; and
	4		converting the spectral energy distribution into a measurement of
	5	distance to t	the location relative to a reference point independently of data from
	6	other pixels	of the ISA.
	1	12.	A method comprising:
	2		altering one of a spatial and optical relationship between an image

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sensing array (ISA) and a surface;

	4	observing a variation of an electrical signal at a single pixel on the ISA
	5	responsive to the alteration; and
	6	converting the variation to a measure of distance to a location on the
	7	surface relative to a reference point, independently of data from other pixels of the
G	18 TO	ISA.
yl P	d.	13. A method comprising:
	2	altering one of a spatial and optical relationship between an image
	3	sensing array (ISA) and a surface;
den Een den den Een Een	4	observing a variation of an electrical signal at an elementary group of
	5	pixels on the ISA without regard to variations in electrical signals within the group
C C	6	responsive to the alteration; and
Carry Chap	7	converting the variation to a measure of distance to a location on the
	8	surface relative to a reference point, independently of data from other pixels of the
	9	ISA.
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